

Town of Griffith

111 N. Broad Street, Griffith, IN 46319-2294
(219) 924-7500

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December 5, 1989

Indiana Department of Environmental Management
Solid & Hazardous Waste Management
105 S. Meridian Street
Indianapolis, Indiana 46225

Attn: Ms. Karyl K. Schmidt, C.P.G., Chief

Re: Analytical Results from the
Quarterly Sample of Groundwater
Monitoring Wells at
Griffith Sanitary Landfill
Griffith, Indiana 46319

Dear Ms. Schmidt:

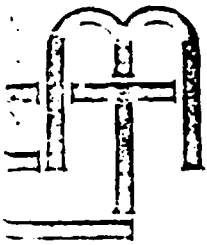
Enclosed are the chemical analysis results for October on
water samples taken from the monitoring wells at the
Griffith Sanitary Landfill, Griffith, Indiana.

If you have any questions regarding this matter, please
contact me.

Sincerely,

John M. Bach
Director of Public Works

Enc: Analytical Report



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
708/967-6666

LABORATORY REPORT

92523

K & S Testing and Engineering, Inc.
9715 Kennedy Avenue
Highland, IN 46322

Report Date: 11/9/89

Sample Received: 10/31/89

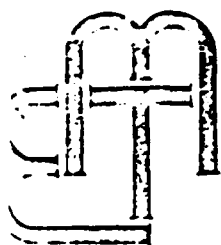
Sample Description: Griffith LF Water

Date	10/30	10/30	10/30	10/30	10/30
Sample	3215	3216	3217	3218	3219
Description	MW1-S	MW1-D	MW2-S	MW2-D	MW3-S
Chloride	80	38	40	10	64
Dissolved Solids	566	690	419	524	574
Chemical Oxygen Demand	72	64	80	36	96
Total Organic Carbon	95.54	31.62	55.90	71.41	76.06
Magnesium	69.8	64.5	52.5	61.0	61.2
Iron	54.6	13.6	34.8	14.8	52.8
Calcium	232.	108.	147.	104.	174.
pH (units)	7.0	7.1	7.2	7.2	7.1
Hardness as Calcium Carbonate	560	350	370	380	510

All results expressed as ppm unless otherwise indicated.

Analyses performed using "Standard Methods for the Examination of Water and Wastewater", 16th Edition.

Charles N. Mohr



ENVIRONMENTAL MONITORING AND TECHNOLOGIES, INC.

8100 North Austin Avenue
Morton Grove, Illinois 60053-3203
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LABORATORY REPORT

92524

K & S Testing and Engineering, Inc.
9715 Kennedy Avenue
Highland, IN 46322

Report Date: 11/9/89

Sample Received: 10/31/89

Sample Description: Griffith LF Water

Date	10/30	10/30	10/30	10/30	10/30
Sample	3220	3221	3222	3223	3224
Description	MW3-D	MW4-S	MW4-D	MW5-S	MW5-D
Chloride	56	780	160	56	30
Dissolved Solids	562	2787	398	739	2487
Chemical Oxygen Demand	48	380	32	161	319
Total Organic Carbon	66.51	185.0	34.33	69.94	108.9
Magnesium	59.8	65.2	81.0	92.5	105.
Iron	13.8	55.2	47.5	104.	93.8
Calcium	135.	465.	149.	312.	218.
pH (units)	7.2	6.6	7.0	7.1	7.2
Hardness as Calcium Carbonate	480	1400	360	720	460

All results expressed as ppm unless otherwise indicated.

Analyses performed using "Standard Methods for the Examination of Water and Wastewater", 16th Edition.

Charles N. Mal.

**K&S****Testing and Engineering Inc.**

9715 KENNEDY AVENUE • HIGHLAND, INDIANA 46322 • (219) 924-5231 • (312) 734-5900

November 17, 1989

File No. 220

Town of Griffith
111 North Broad Street
Griffith, IN 46319

Attn: Mr. Marle D. Colby
President, Town Board

REF: Analytical Results from the
Quarterly Sampling of Groundwater
Monitoring Wells at
Griffith Sanitary Landfill
Griffith, Indiana

Dear Mr.

Enclosed please find a copy of the Analytical Report from the October sampling of the groundwater monitoring wells at Griffith Landfill. The report should be retained for your files. In addition, a copy of the analytical report should be forwarded to Indiana Department of Environmental Management.

MW-4S again displayed indications for additional chemical testing. MW-1S and MW-5S should also be closely monitored in the future groundwater monitoring program.

We appreciate the opportunity to be of service to you. If you have any questions regarding this letter, please call our office.

Very truly yours,

K & S Testing and Engineering, Inc.

J. A. Trezzo

Jerrold A. Trezzo
Senior Hydrogeologist

D. Sundi

Dibakar Sundi, P.E.
Vice President

**K&S**

Testing and Engineering Inc.

9715 KENNEDY AVENUE

HIGHLAND, INDIANA 46322

PHONE: (219) 924-5231

CLIENT:

Town of Griffith
111 North Broad Street
Griffith, IN 46319

Attn: Mr. Marle D. Colby
President, Town Board

PROJECT NAME:

Sampling and Chemical Testing
Monitoring Wells
Griffith Sanitary Landfill
Griffith, Indiana

FILE NO. 220INVOICE DATE 11-17-1989INVOICE NO. 2509**FOR SERVICES PERFORMED**

ITEM NO.	QUANTITY	D E S C R I P T I O N	UNIT PRICE	PER	EXTENSION
1	10.0	Water Level Measurement, Purging and Sampling	\$100.00	ea	\$1,000.00
2	10.0	Chemical Testing	125.00	ea	1,250.00
	1.0	Co-ordination, field engineering analysis and report	500.00	ea	500.00
Invoice Total					<u>\$2,750.00</u>
Terms: Net 30 days					